

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021021\
 Data File : VD068348.D
 Acq On : 10 Feb 2021 16:49
 Operator : VA/SY
 Sample : M1364-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 00:14:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

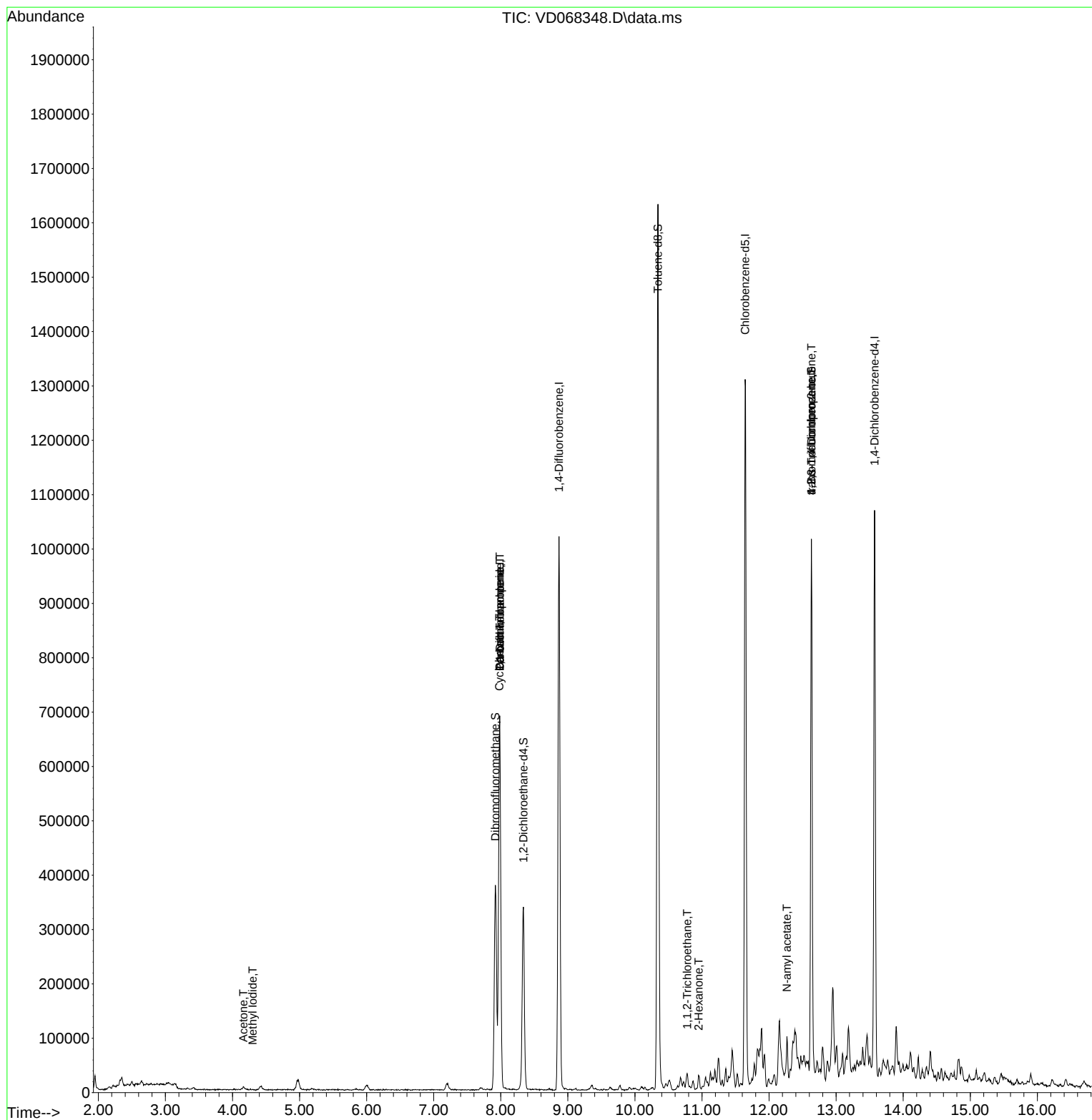
Internal Standards						
1) Pentafluorobenzene	7.985	168	531534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	937072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	802121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	281302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	267764	52.66	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.32%			
35) Dibromofluoromethane	7.920	113	279570	53.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.92%			
50) Toluene-d8	10.343	98	1129287	54.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.00%			
62) 4-Bromofluorobenzene	12.632	95	324714	43.51	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.02%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	462	3.23	ug/l #	38
11) Tert butyl alcohol	5.185	59	1349	Below Cal	#	74
16) Acetone	4.161	43	8468	9.33	ug/l	94
20) Methylene Chloride	4.985	84	15730	Below Cal		90
31) Cyclohexane	7.979	56	11417	1.04	ug/l #	40
36) 1,1-Dichloropropene	7.985	75	40790	4.32	ug/l #	47
38) Carbon Tetrachloride	7.985	117	51515	5.82	ug/l #	15
55) 1,1,2-Trichloroethane	10.779	97	12843	2.76	ug/l #	23
59) 2-Hexanone	10.949	43	9744	4.34	ug/l #	22
74) N-amyl acetate	12.267	43	16426	3.38	ug/l #	63
76) 1,2,3-Trichloropropane	12.632	75	161198	59.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	161198	119.93	ug/l #	14

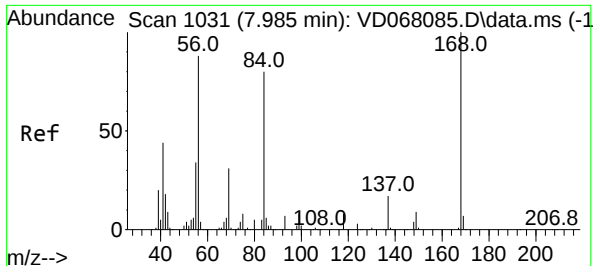
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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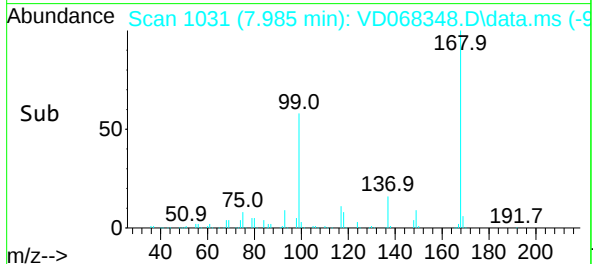
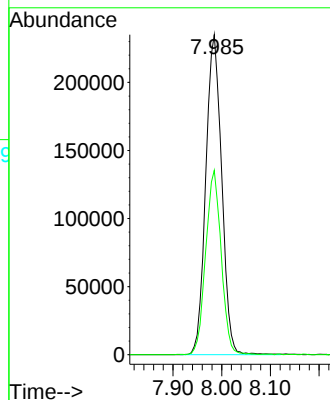
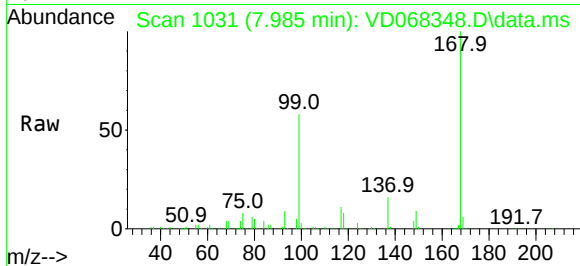




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

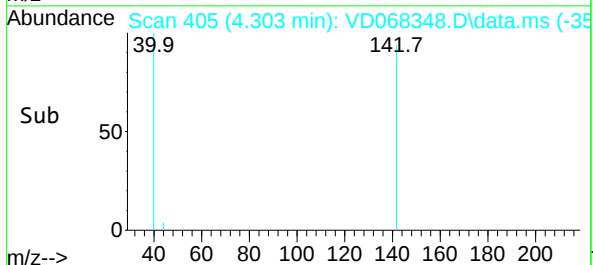
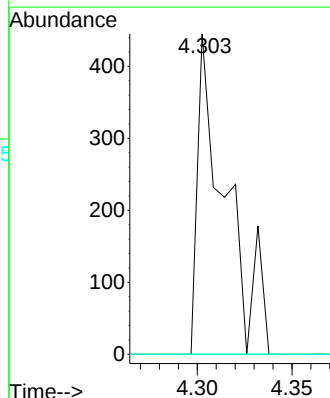
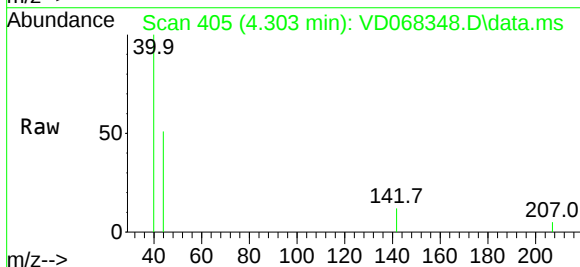
Instrument :
MSVOA_D
ClientSampled :

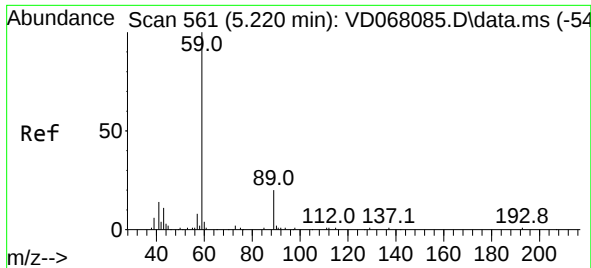
Tgt Ion:168 Resp: 531534
Ion Ratio Lower Upper
168 100
99 57.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.23 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

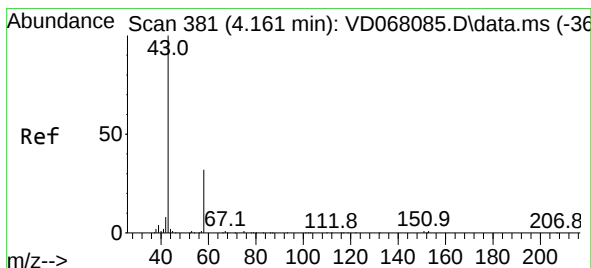
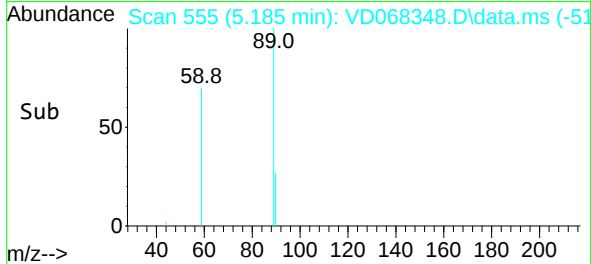
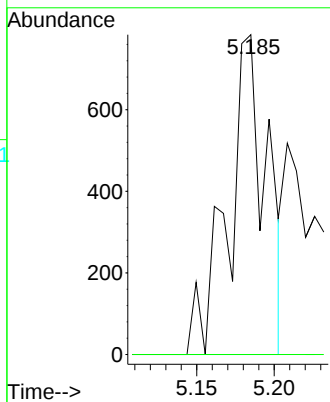
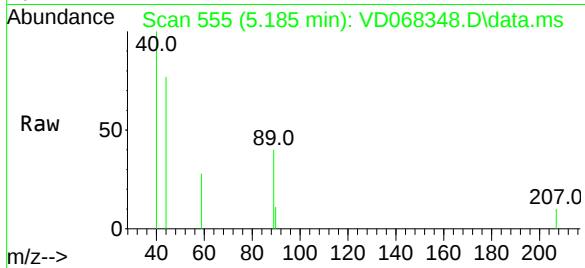




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

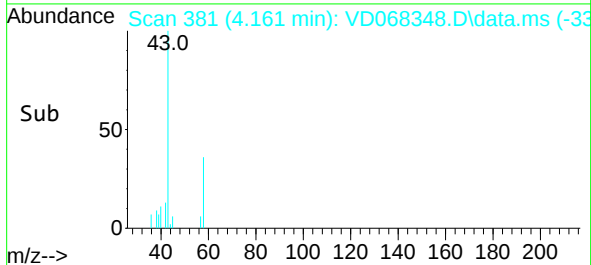
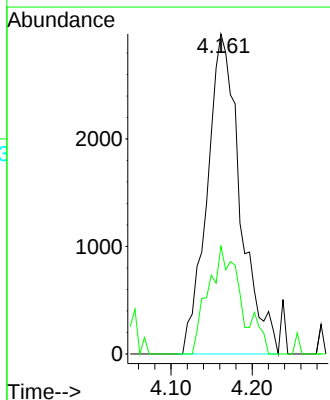
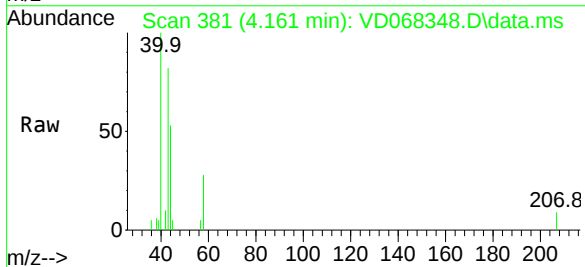
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 59 Resp: 1349
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 9.33 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

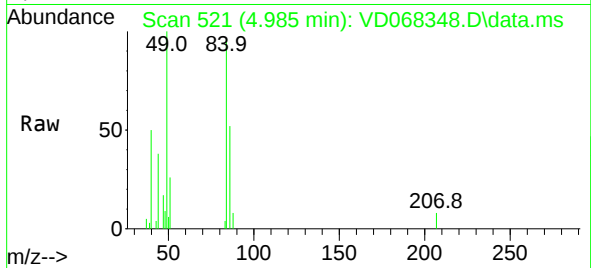
Tgt Ion: 43 Resp: 8468
Ion Ratio Lower Upper
43 100
58 33.6 24.2 36.4





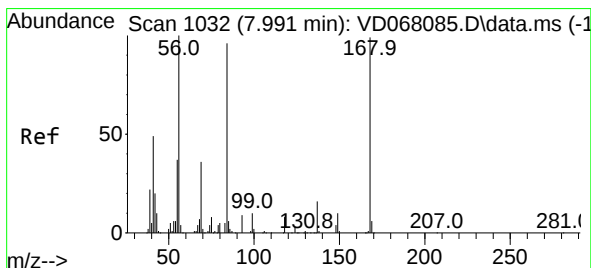
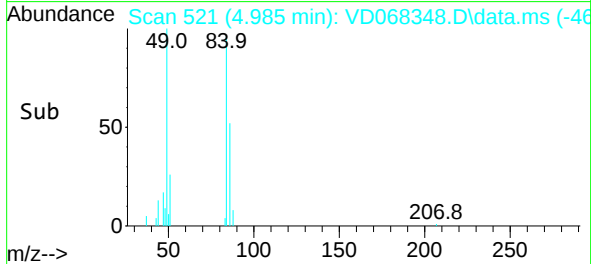
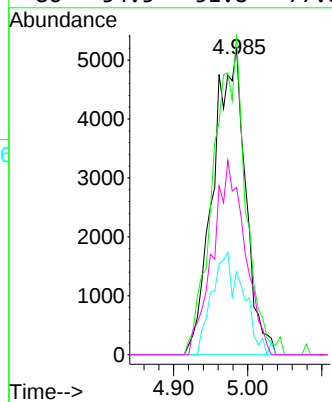
#20
Methylene Chloride
Concen: Below Cal
RT: 4.985 min Scan# 521
Delta R.T. 0.012 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Instrument :
MSVOA_D
ClientSampled :

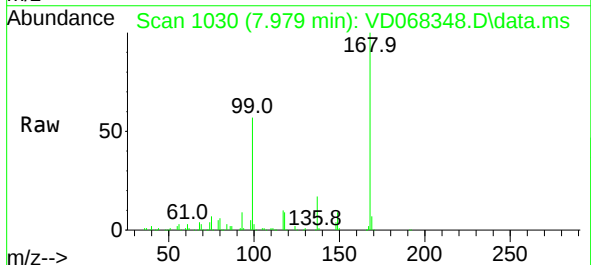


Tgt Ion: 84 Resp: 15730

Ion	Ratio	Lower	Upper
84	100		
49	104.1	77.4	116.2
51	26.9	26.1	39.1
86	54.5	51.8	77.8

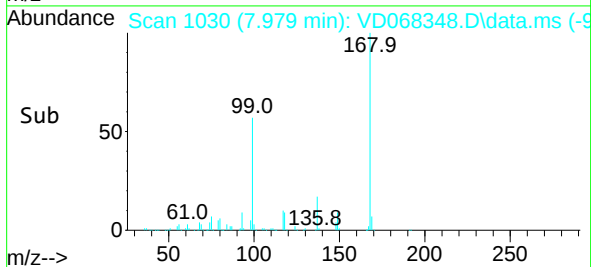
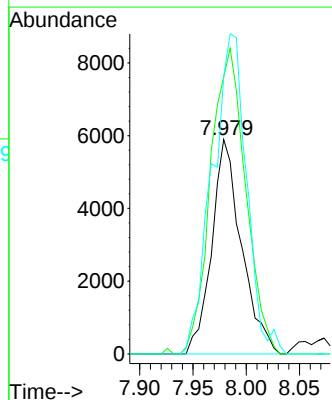


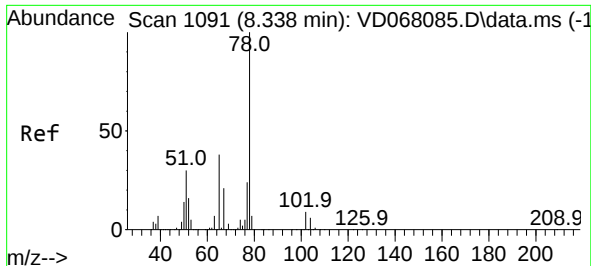
#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49



Tgt Ion: 56 Resp: 11417

Ion	Ratio	Lower	Upper
56	100		
69	129.2	30.1	45.1#
84	129.3	82.1	123.1#

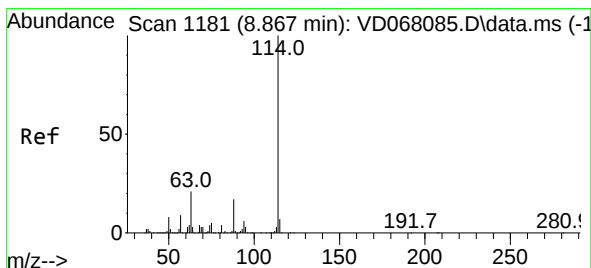
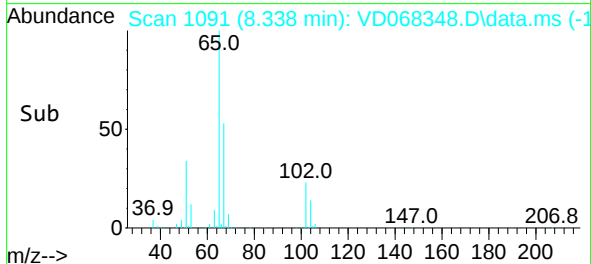
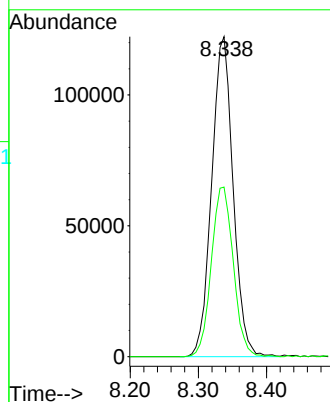
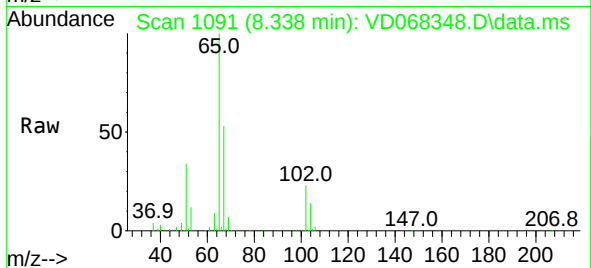




#33
 1,2-Dichloroethane-d4
 Concen: 52.66 ug/l
 RT: 8.338 min Scan# 1091
 Delta R.T. 0.000 min
 Lab File: VD068348.D
 Acq: 10 Feb 2021 16:49

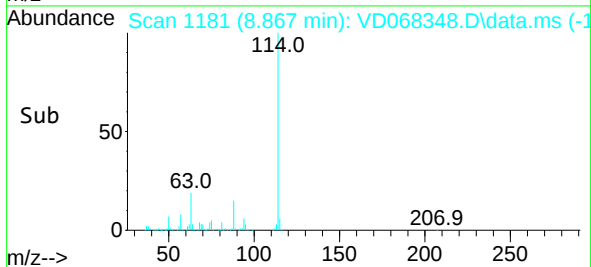
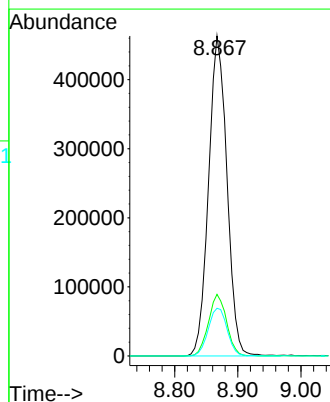
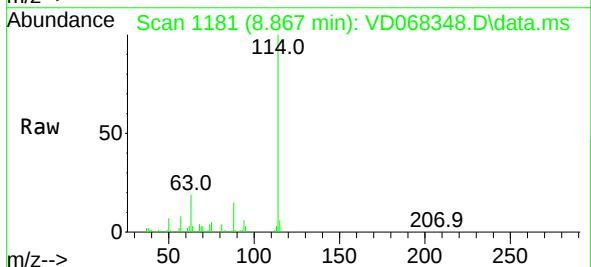
Instrument :
 MSVOA_D
 ClientSampled :

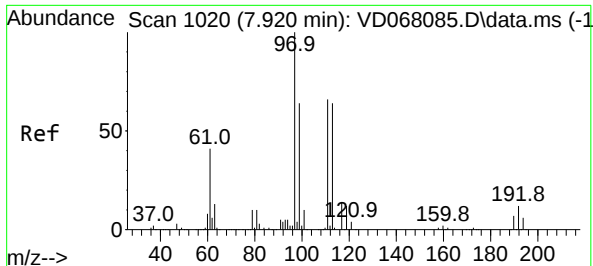
Tgt Ion: 65 Resp: 267764
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068348.D
 Acq: 10 Feb 2021 16:49

Tgt Ion: 114 Resp: 937072
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.8
 88 14.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.96 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068348.D

Acq: 10 Feb 2021 16:49

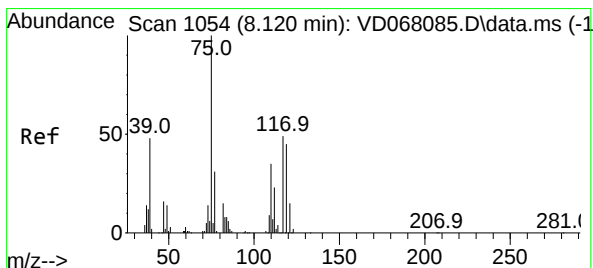
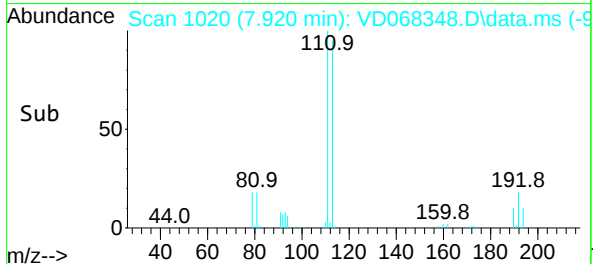
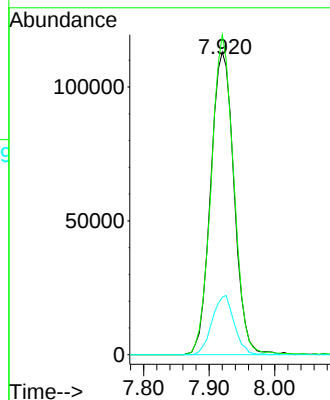
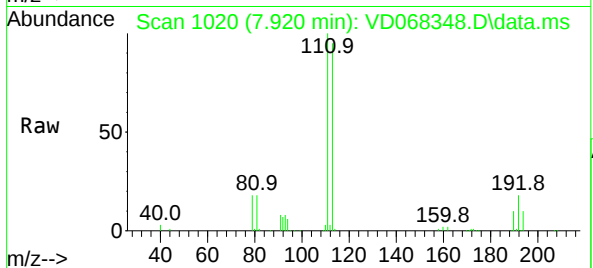
Tgt Ion:113 Resp: 279570

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 18.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.32 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.135 min

Lab File: VD068348.D

Acq: 10 Feb 2021 16:49

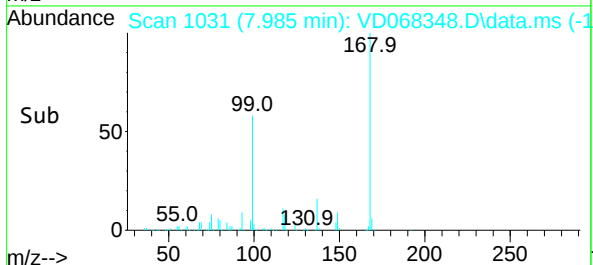
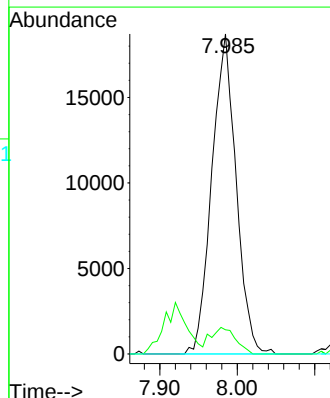
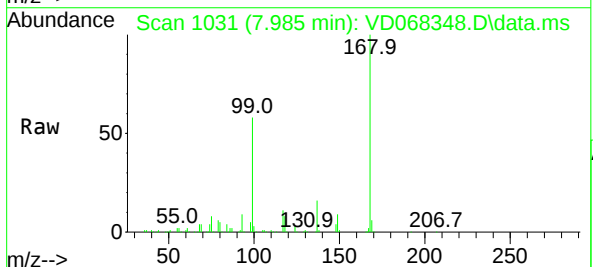
Tgt Ion: 75 Resp: 40790

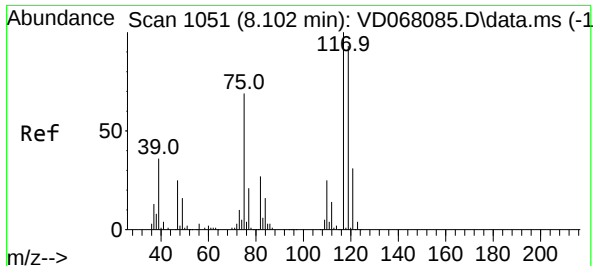
Ion Ratio Lower Upper

75 100

110 8.6 19.4 58.2#

77 0.0 25.3 37.9#

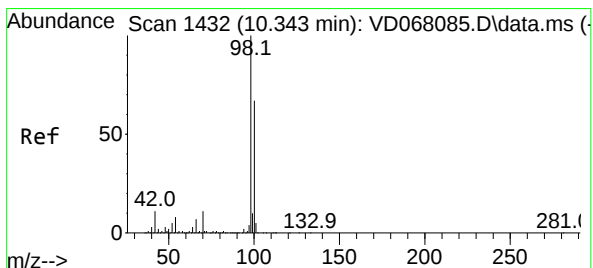
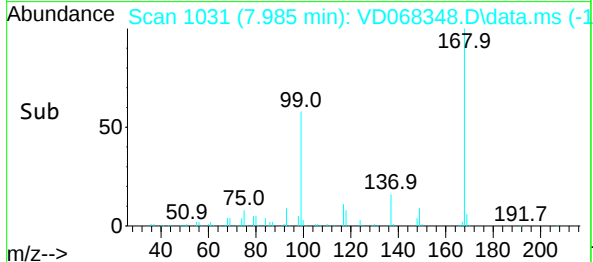
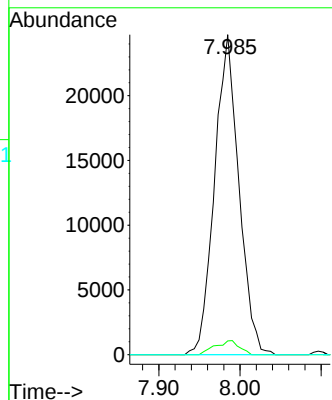
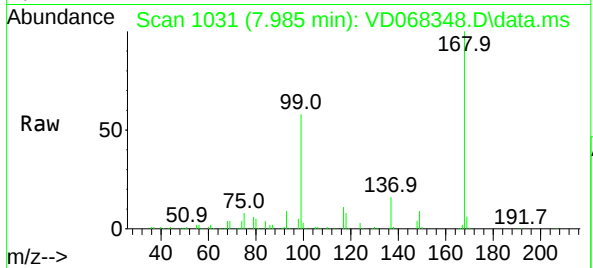




#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.118 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

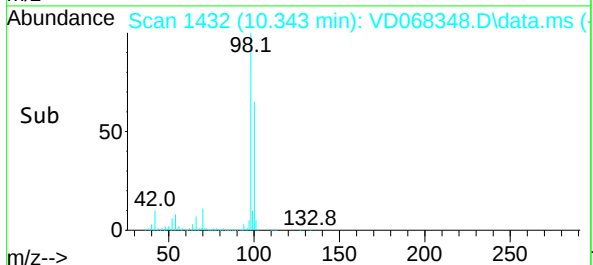
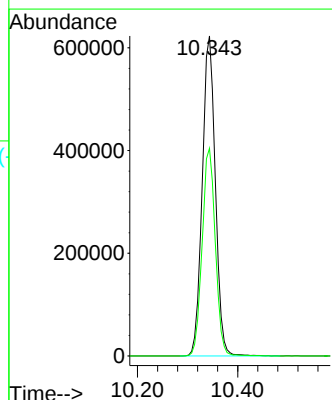
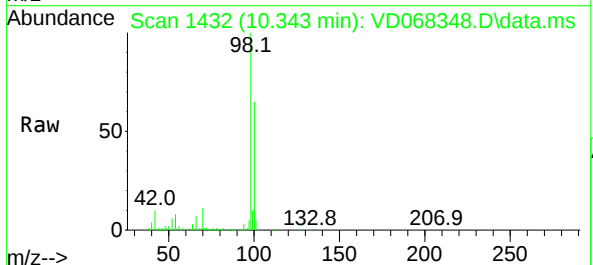
Instrument :
MSVOA_D
ClientSampled :

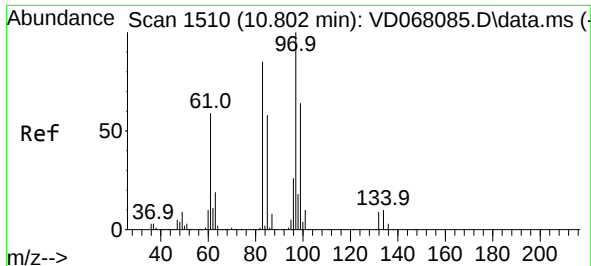
Tgt Ion:117 Resp: 51515
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.50 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion: 98 Resp: 1129287
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

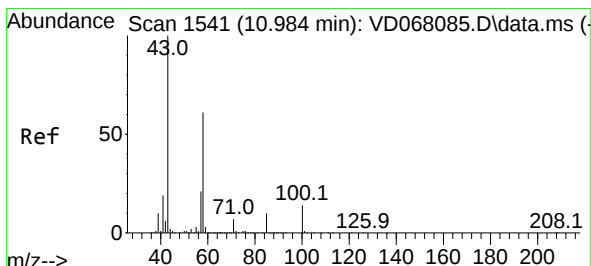
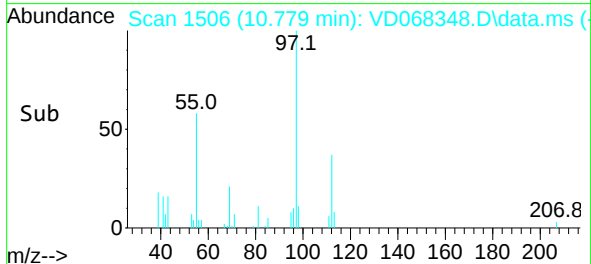
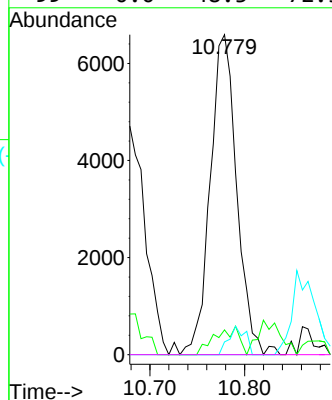
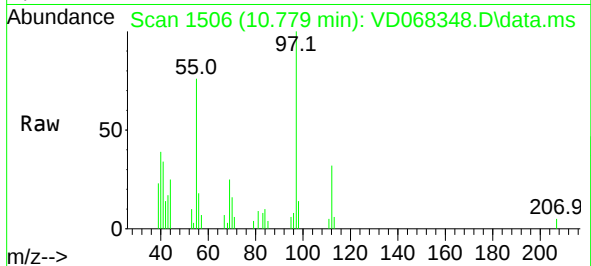




#55
1,1,2-Trichloroethane
Concen: 2.76 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

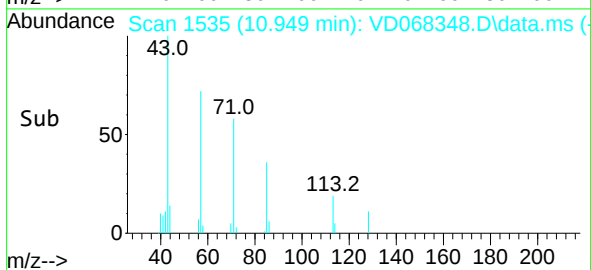
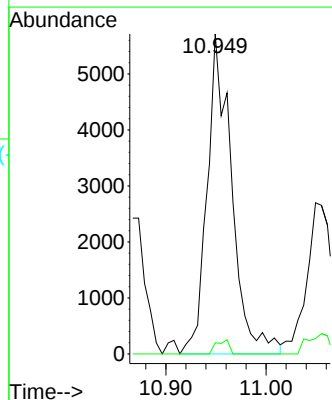
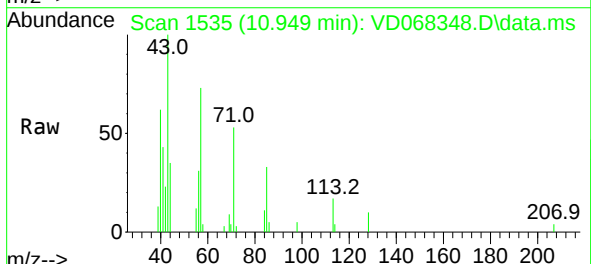
Instrument :
MSVOA_D
ClientSampled :

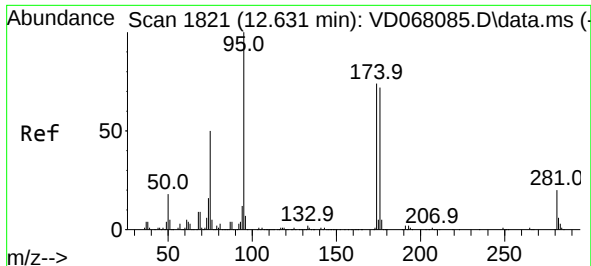
Tgt Ion: 97	Resp: 12843
Ion Ratio	Lower Upper
97 100	
83 7.8	61.8 92.6#
85 4.0	42.2 63.2#
99 0.0	48.3 72.5#



#59
2-Hexanone
Concen: 4.34 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion: 43	Resp: 9744		
Ion Ratio	Lower	Upper	
43 100			
58 2.3	31.0	93.0#	

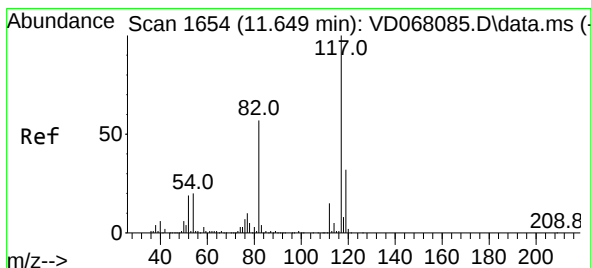
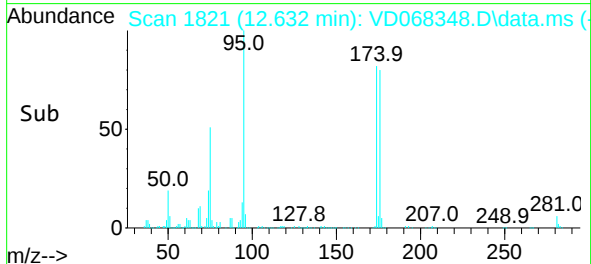
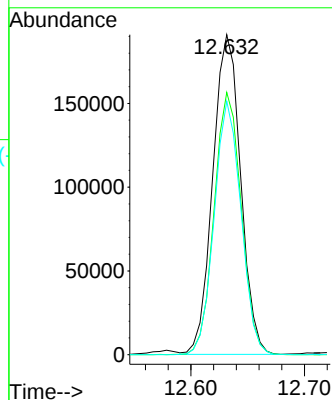
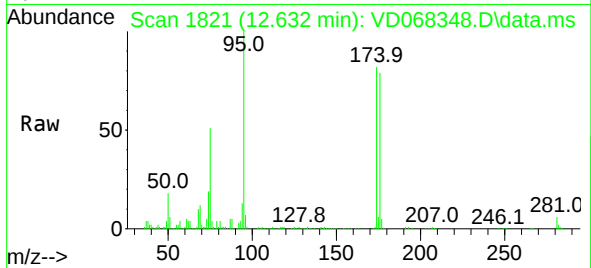




#62
4-Bromofluorobenzene
Concen: 43.51 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

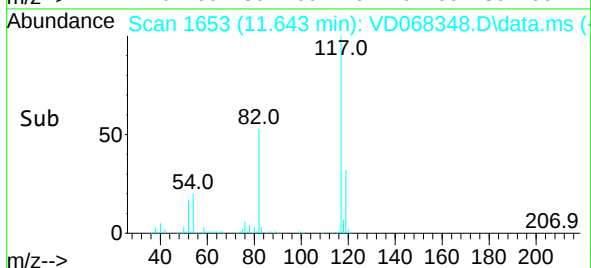
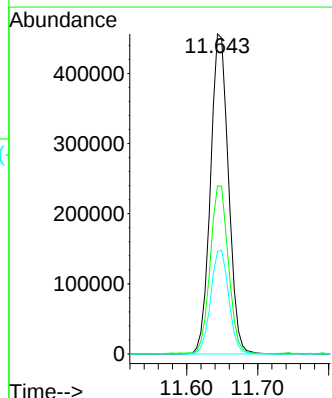
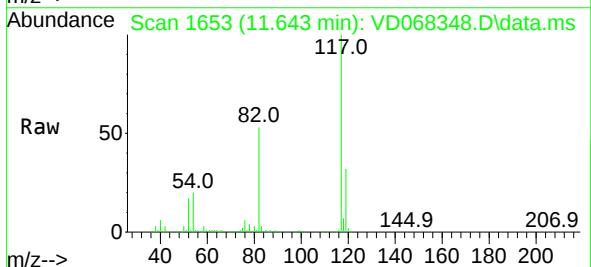
Instrument :
MSVOA_D
ClientSampleId :

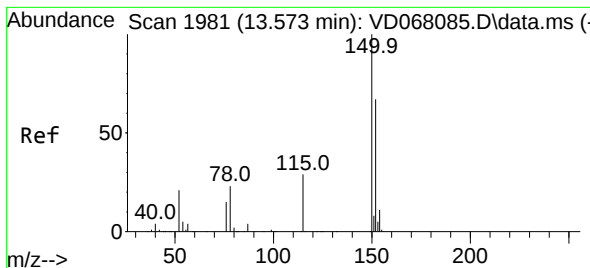
Tgt Ion: 95 Resp: 324714
Ion Ratio Lower Upper
95 100
174 80.0 0.0 172.4
176 76.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion: 117 Resp: 802121
Ion Ratio Lower Upper
117 100
82 52.3 41.4 62.0
119 32.0 26.1 39.1

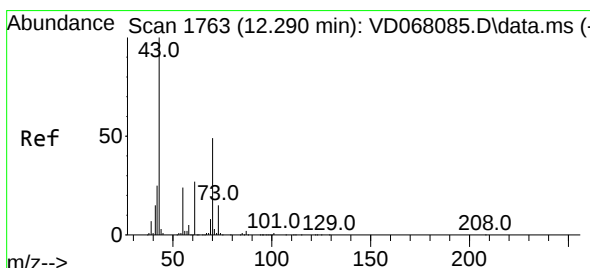
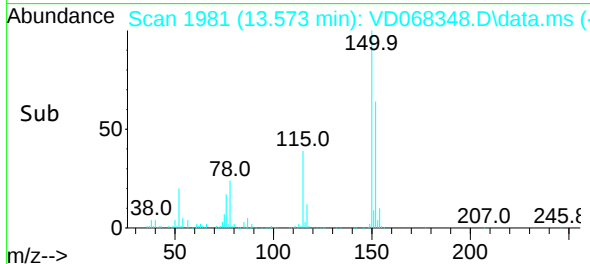
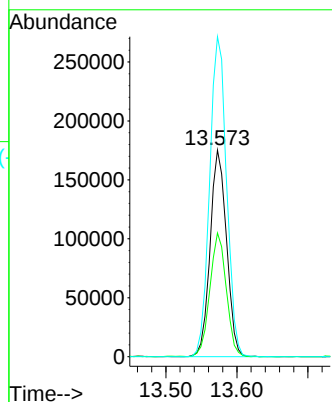
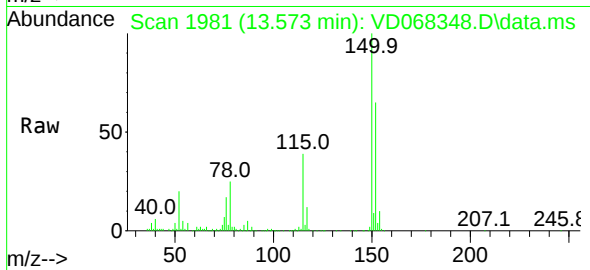




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

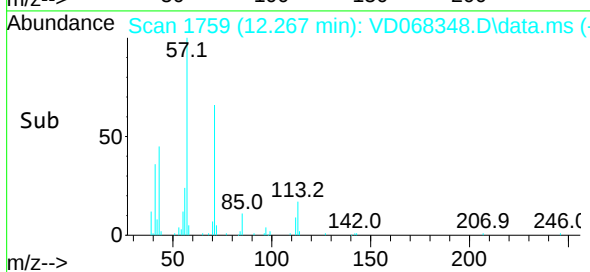
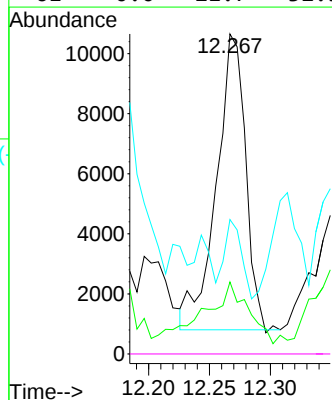
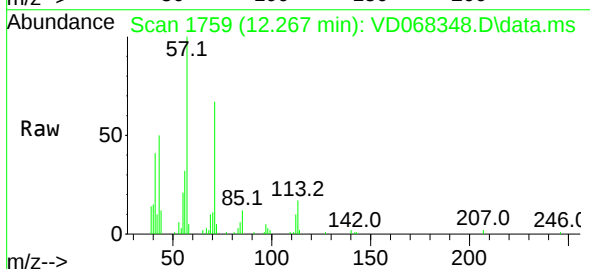
Instrument :
MSVOA_D
ClientSampled :

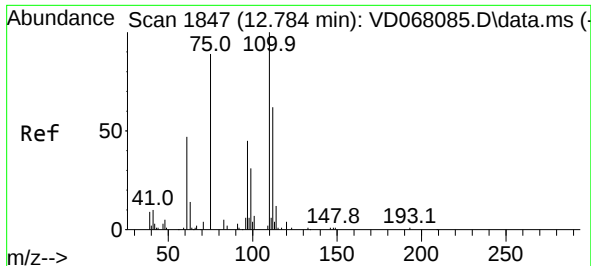
Tgt Ion:152 Resp: 281302
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.8
150 159.7 0.0 344.4



#74
N-ethyl acetate
Concen: 3.38 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion: 43 Resp: 16426
Ion Ratio Lower Upper
43 100
70 28.0 41.8 62.8#
55 15.5 24.2 36.4#
61 0.0 21.7 32.5#

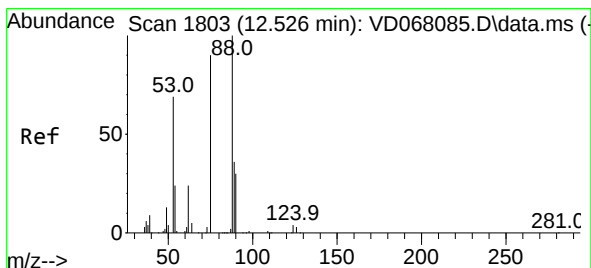
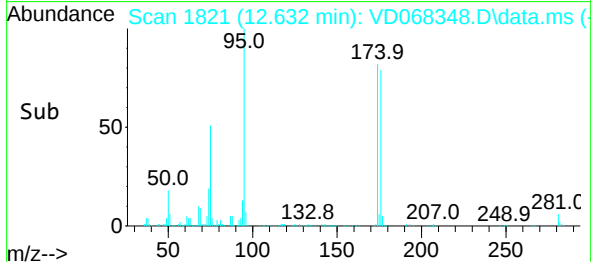
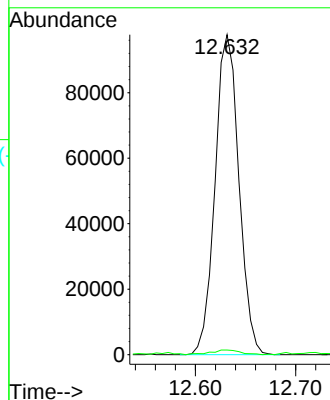
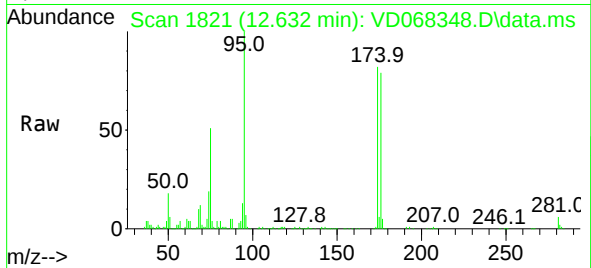




#76
1,2,3-Trichloropropane
Concen: 59.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 161198
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068348.D
Acq: 10 Feb 2021 16:49

Tgt Ion: 75 Resp: 161198
Ion Ratio Lower Upper
75 100
53 0.8 70.2 105.2#
89 0.1 40.3 60.5#

